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INDEX TO AMERICAN BOTANICAL LITERATURE

(1911-1913)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Ames, A. A new wood-destroying fungus. *Bot. Gaz.* **55**: 397-399.
f. 1-6. 15 My 1913.

Poria atroporia sp. nov.

Amundsen, E. O. Black rot of the navel orange. (*Alternaria Citri* Pierce and Ellis.) *Monthly Bull. State Comm. Hort. Calif.* **2**: 527-537. f. 324-330. My 1913.

Ashby, S. F. Banana diseases in Jamaica. *Jamaica Dept. Agr. Bull.* **II**: 95-128. pl. 21-28. Ja 1913.

Ashby, S. F. Diseases of cocoas and other crops. *Jamaica Dept. Agr. Bull.* **II**: 150-155. Ja 1913.

Atkinson, G. F. Is the biennial habit of *Oenothera* races constant in their native localities. *Science* **II**: 37: 716, 717. 9 My 1913.

Bartlett, H. H. Systematic studies on *Oenothera*,—III. New species from Ithaca, New York. *Rhodora* **15**: 81-85. 19 My 1913.

Includes *Oenothera nutans* Atkinson & Bartlett and *O. pycnocarpa* Atkinson & Bartlett, spp. nov.

Blake, S. F. Forms of *Ophioglossum vulgatum* in eastern North America. *Rhodora* **15**: 86-88. f. 1. 19 My 1913.

Blake, S. F. Two records of *Panicum calliphyllum* Ashe. *Rhodora* **15**: 99, 100. 19 My 1913.

Blewitt, A. E. *Scirpus Peckii* in Connecticut. *Rhodora* **15**: 98, 99 19 My 1913.

- Blumer, J. C.** Ein Vegetationsbild aus Arizona im Sommer. Bot. Jahrb. Beibl. 50: 1-10. 15 Ap 1913.
- Bower, F. O.** Sir Joseph Dalton Hooker. Bot. Gaz. 55: 384-391. 15 My 1913.
- Drost, A. W.** The Surinam Panama disease of the Gros Michel banana. Jamaica Dept. Agr. Bull. II. 2: 128-149. *pl.* 29-39. Ja 1913. Translated by S. F. Ashby from Surinam Dept. Agr. Bull. 26.
- Collins, G. N., & Kempton, J. H.** Effects of cross-pollination on the size of seed in maize. U. S. Dept. Agr. Plant Ind. Circ. 124: 9-15. 3 My 1913.
- Cook, O. F.** Relationships of the false date-palm of the Florida Keys, with a synoptical key to the families of American palms. Contr. U. S. Nat. Herb. 16: 243-254. *pl.* 74-77. 14 My 1913.
- Cook, M. T., & Martin, G. W.** The Jonathan spot rot. Phytopathology 3: 119, 120. Ap 1913.
- Coville, F. V.** Directions for blueberry culture. U. S. Dept. Agr. Plant Ind. Circ. 122: 3-11. 19 Ap 1913.
- Edgerton, C. W.** The stem rot or Hawaiian "iliau" disease of sugar cane. Phytopathology 3: 93-98. *pl.* 8. Ap 1913.
Gnomonia Iliau.
- Emerson, R. A., & East, E. M.** The inheritance of quantitative characters in maize. Nebraska Agr. Exp. Sta. Research Bull. 2: 5-120. f. 1-21. 1 Ap 1913.
- Farwell, O. A.** *Duboisia Hopwoodii*—A histological study. Merck's Report 20:—[1-10]. f. 1-7. My 1911.
- Felippone, F.** Contribution à la flore bryologique de l'Uruguay. Fasc. 2: 1-38. Montévidéo 1912.
Includes *Barbula uruguayensis* Broth. sp. nov.
- Fernald, M. L.** A northeastern variety of *Carex Deweyana*. Rhodora 15: 92, 93. 19 My 1913.
- Fink, B.** The nature and classification of lichens—II. The lichen and its algal host. Mycologia 5: 97-166. My 1913.
- Fitzpatrick, H. M.** A comparative study of the development of the fruit body in *Phallophaster*, *Hysterangium*, and *Gautieria*. Ann. Myc. 11: 119-149. *pl.* 4-7 + f. 1-7. 30 Ap 1913.
- Gardner, N. L.** New *Fucaceae*. Univ. Calif. Publ. Bot. 4: 317-374. *pl.* 36-53. 25 Ap 1913.
Includes *Hesperophycus* Setchell & Gardner, gen. nov., *Pelvetiopsis* Gardner, gen. nov., *Halidrys dioica* Gardner, *Blossevillea Brandegeei* Setchell & Gardner, and *Cystoseira Setchellii* Gardner, spp. nov.
- Goodspeed, T. H.** Notes on the germination of tobacco seed. Univ. Calif. Publ. Bot. 5: 199-222. 15 My 1913.

- Gould, H. P., & Fletcher, W. F.** Apples and peaches in the Ozark region. U. S. Dept. Agr. Plant Ind. Bull. 275: 5-95. *pl.* 1-6+f. 1-6. 6 My 1913.
- Graves, A. H.** Notes on diseases of trees in the southern Appalachians —I. Phytopathology 3: 129-139. *f.* 1-10. Ap 1913.
- Harper, E. T.** The probable identity of *Stropharia epimyces* (Peck) Atk. with *Pilosace algeriensis* Fries. Mycologia 5: 167-169. My 1913.
- Hassler, E.** *Oenotheraceae*.—I. In Ex herbario Hassleriano; Novitates paraguayenses. XVI.] Repert. Sp. Nov. 12: 39, 40. 20 Mr 1913. Includes *Jussieuia bullata* sp. nov.
- Hedgcock, G. G.** Notes on some diseases of trees in our national forests. III. Phytopathology 3: 111-114. Ap 1913.
- Herre, A. W. C. T.** The lichens of Mt. Rose, Nevada. Bot. Gaz. 55: 392-396. 15 My 1913. Includes *Acrospora thermophila* sp. nov.
- Holden, R.** Some fossil plants from eastern Canada. Ann. Bot. 27: 243-255. *pl.* 22, 23. Ap 1913.
- Howe, R. H.** An additional note on Nantucket lichens. Rhodora 15: 93, 94. 19 My 1913.
- Hull, E. D.** *Botrychium obliquum* and var. *dissectum* in Berrien Co., Michigan. Torrey 13: 112. 6 My 1913.
- Jehle, R. A.** The brown rot canker of the peach. Phytopathology 3: 105-110. *pl.* 10. Ap 1913.
- Klugh, A. B.** Notes on the algae of Georgian Bay. Rhodora 15: 88-92. 19 My 1913. Includes *Rivularia laurentiana* sp. nov.
- Knight, L. I., & Crocker, W.** Toxicity of smoke. Bot. Gaz. 55: 337-371. *f.* 1-4. 15 My 1913.
- Knowlton, F. H.** Results of a paleobotanical study of the coalbearing rocks of the Raton Mesa region of Colorado and New Mexico. Am. Jour. Sci. IV. 35: 526-530. My 1913.
- Knuth, R.** Drei neue Arten von *Oxalis* aus Süd-Amerika. Repert Sp. Nov. 12: 36, 37. 20 Mr 1913. Includes *Oxalis lancifolia*, *O. integra*, and *O. fuegensis*, spp. nov.
- Knuth, R.** *Geranium Purpusii*, spec. nov. aus Mexiko. Repert. Sp. Nov. 12: 40, 41. 20 Mr 1913.
- Levine, M.** Studies in the cytology of the *Hymenomycetes*, especially the *Boleti*. Bull. Torrey Club 40: 137-181. *pl.* 4-8. 9 My 1913.
- Melhus, I. E.** Silver scurf, a disease of the potato. U. S. Dept. Agr. Plant Ind. Circ. 127: 15-24. *f.* 1-4. 17 My 1913.

- Meyer, R.** *Echinopsis albispinosa* K. Sch. Monats. Kakteenk. **23**: 61-63. 15 Ap 1913.
- Murrill, W. A.** Illustrations of fungi—XIV. Mycologia **5**: 93-96. pl. 87. My 1913.
Includes illustrations of six species of *Venenarius*.
- Nichols, G. E.** The vegetation of Connecticut. I. Phytogeographical aspects. Torrey **13**: 89-112. f. 1-6. 6 My 1913.
- Norton, J. B. S.** Jonathan fruit spot. Phytopathology **3**: 99, 100. Ap 1913.
- O'Gara, P. J.** Studies on the water core of apple. Phytopathology **3**: 121-128. f. 1, 2. Ap 1913.
- Osterhout, G. E.** Two new species of *Carduus* from Colorado. Muhlenbergia **9**: 54-56. 19 My 1913.
Carduus modestus and *C. acutatus* Osterhout.
- Overton, J. B.** Artificial parthenogenesis in *Fucus*. Science II. **37**: 841-844. 30 My 1913.
- Pickett, F. L.** The development of the embryo-sac of *Arisaema triphyllum*. Bull. Torrey Club **40**: 229-235. pl. 13, 14. 20 My 1913.
- Piper, C. V.** The wild prototype of the cowpea. U. S. Dept. Agr. Plant Ind. Circ. 124: 29-32. 3 My 1913.
- Quehl, L.** *Mamillaria Thornberi* Orc. Monats. Kakteenk. **23**: 51, 52. 15 Ap 1913.
- Rigg, G. B.** Is salinity a factor in the distribution of *Nereocystis Leutkeana*? Bull. Torrey Club **40**: 237-242. f. 1. My 1913.
- Rehm, H.** *Ascomycetes* exs. Fasc. 52. Ann. Myc. **11**: 166-171. 30 Ap 1913.
Plants distributed as *Tympanis Fraxini*, *Phaeoderris Heliopsisidis*, *Pezizella ontariensis*, *Botryosphaeria Hamamelidis*, *Pseudothia Symphoricarpi* and *Uncinula Necator* were collected in North America.
- Rehm, H.** *Ascomycetes* novi. Ann. Myc. **11**: 149-155. 30 Ap 1913.
Includes *Naevia canadica*, *Ombrophila limosa*, *Pezicula eximia*, *Diatrypa potella*, and *Mycosphaerella lageniformis*, spp. nov. from North America.
- Rorer, J. B.** The use of the green muscardine in the control of some sugar cane pests. Phytopathology **3**: 88-92. pl. 7. Ap 1913.
- Schlechter, R. S.** *Burmannia Wercklei* Schltr. nov. spec. aus Costa Rica. Repert. Sp. Nov. **12**: 35. 20 Mr 1913.
- Shear, C. L.** Some observations on phytopathological problems in Europe and America. Phytopathology **3**: 77-87. Ap 1913.
- Slosson, M.** New ferns from tropical America—II. Bull. Torrey Club **40**: 183-185. pl. 3. 9 My 1913.
Includes *Dryopteris lurida* (Jenman) Underwood & Maxon and *D. leucochaete* Slosson, spp. nov.